

CLAIMS

1. The combination of:
 - an electrostimulating apparatus for applying electrical stimuli to biological tissues; and
 - 5 - means for exchanging heat with said biological tissues.
2. The combination according to claim 1, wherein said means for exchanging heat comprises means for heating said biological tissues.
- 10 3. The combination according to claim 1, or 2, wherein said means for exchanging heat comprises means for cooling said biological tissues.
4. The combination according to any one of claims 1 to 3, wherein said means for exchanging heat comprises means for
15 controlling the temperature of said biological tissues.
5. An electrostimulating apparatus that generates a relaxing sequence suitable for stimulating striated muscle fibre, based on three fundamental parameters: the width of the electric stimulation, the frequency of said stimulation
20 and the intervals of time wherein a plurality of width/frequency combinations follows.
6. An electrostimulating apparatus that generates a vasoactive sequence of activation of the microcirculation suitable for stimulating the smooth muscle fibre and the
25 postsynaptic neuroceptors, based on three fundamental parameters: the width of the electric stimulation, the frequency of said stimulation and the time wherein a plurality of combinations of width/frequency follow.
7. An apparatus according to what has been disclosed and
30 illustrated above and for the specified purposes.